

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: HALO

Report Number: P328516

Luminaire Tested: **L815SML05SP935MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P328516
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-290-7)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L815SML05SP935MB
Description: Small, 500lm, 15D, 3500K, black finish
Light Source: (1) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 668.9 lumens
Efficiency: N/A
Efficacy: 98.4 lumens/watt
Spacing Criteria (0/90/45): 0.26 / 0.26 / 0.26
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

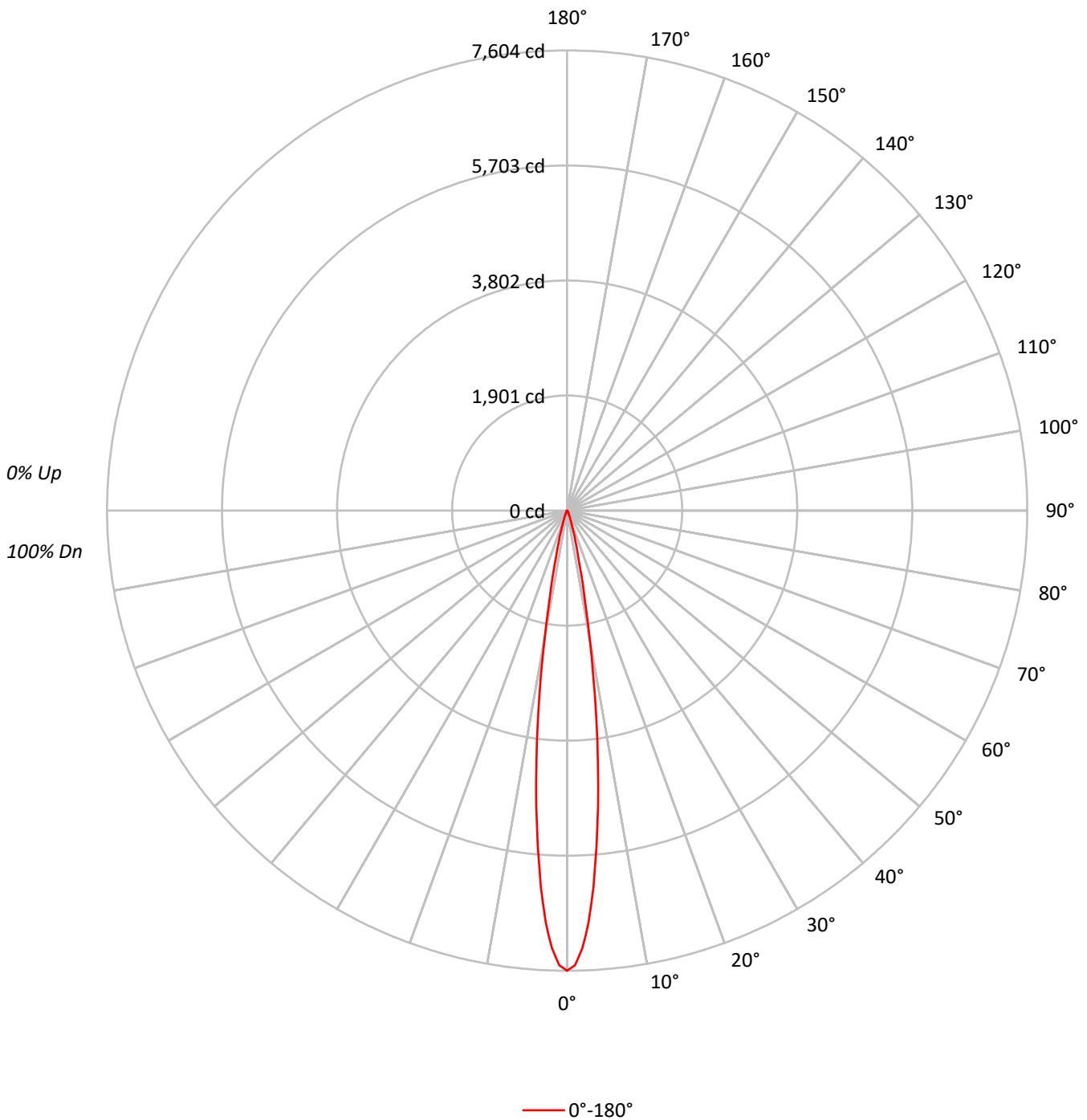
Input Watts (W): 6.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P328516

CATALOG NUMBER: L815SML05SP935MB

Luminous Intensity Polar Plot





TEST NUMBER: P328516

CATALOG NUMBER: L815SML05SP935MB

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	99	98
2	112	109	107	105	110	108	105	103	105	103	101	102	100	99	99	98	97	96
3	110	106	103	100	108	104	102	99	102	100	98	100	98	96	98	96	95	94
4	107	103	99	97	106	102	98	96	100	97	95	98	96	94	96	94	93	92
5	105	100	96	94	103	99	96	94	98	95	93	96	94	92	95	93	91	90
6	103	98	94	92	102	97	94	91	96	93	91	94	92	90	93	91	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	87
8	99	94	90	88	98	93	90	88	92	90	88	92	89	87	91	89	87	86
9	97	92	89	87	97	92	89	86	91	88	86	90	88	86	90	87	86	85
10	96	90	87	85	95	90	87	85	90	87	85	89	87	85	88	86	85	84

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1667454
5°	1223439
10°	477390
15°	121295
20°	36753
25°	14977
30°	8837
35°	6318
40°	5153
45°	4528
50°	4230
55°	3861
60°	1491
65°	1141
70°	705
75°	0
80°	0
85°	0



TEST NUMBER: P328516

CATALOG NUMBER: L815SML05SP935MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	417.2	62.4
10°-20°	182.0	27.2
20°-30°	32.8	4.9
30°-40°	15.2	2.3
40°-50°	11.4	1.7
50°-60°	8.3	1.2
60°-70°	1.9	0.3
70°-80°	0.1	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	632.0	94.5
0°-40°	647.3	96.8
0°-60°	666.9	99.7
0°-90°	668.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	668.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7604	
5°	5558	417
15°	534	182
25°	62	33
35°	24	15
45°	15	11
55°	10	8
65°	2	2
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P328516

CATALOG NUMBER: L815SML05SP935MB

CANDELA DISTRIBUTION (FULL):

0°	
0°	7604.2
1°	7514.2
2°	7231.9
3°	6805.6
4°	6233.0
5°	5558.1
6°	4889.9
7°	4171.1
8°	3469.2
9°	2768.3
10°	2144.0
11°	1621.0
12°	1227.3
13°	905.5
14°	691.8
15°	534.3
17.5°	282.3
20°	157.5
22.5°	92.2
25°	61.9
27.5°	46.1
30°	34.9
32.5°	28.1
35°	23.6
37.5°	20.2
40°	18.0
42.5°	15.7
45°	14.6
47.5°	13.5
50°	12.4
52.5°	11.2
55°	10.1
57.5°	7.9
60°	3.4
62.5°	2.2
65°	2.2
67.5°	1.1
70°	1.1
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0



TEST NUMBER: P328516

CATALOG NUMBER: L815SML05SP935MB

CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0.0}$

(END OF REPORT)